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United States Department of Agriculture

SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

MARCH, 1924

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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CHANGES IN DIRECTORY

Meat Inspection Granted

122. Beck Provision Co., 882 Abbott Road, Buffalo, N. Y.
143. Boyd Packing Co., Hermitage Road, P. O. box 472, Richmond, Va.

Meat Inspection Withdrawn

- 1—G. Armour & Co., Portland, Me.
- 20—N. Wilson & Co., New Orleans, La.
421. Allied Packers (Inc.), Richmond, Va.
883. J. B. Wallace Co. (Inc.), New York, N. Y.

**Substation Added**

Manton, R. I., meat inspection, substation of Providence, R. I.

**Substation Discontinued**

Johnston, R. I., meat inspection, substation of Providence, R. I.

**Add to Address List**

Dr. P. H. Browning (cooperative tuberculosis eradication), Honolulu, Hawaii.  
J. A. Fenger (creamery introduction), A & M College, Miss.  
W. J. McGee (meat inspection), 301-304 P. O. Building, San Juan, P. R.  
Dr. E. A. Meyer (virus serum), Westplains, Mo.

**Remove from Address List**

Dr. Lloyd E. Case, Honolulu, Hawaii.

**Change in Address of Official in Charge**

Dr. J. A. Barger, 108 Federal Building, Des Moines, Iowa, instead of 111 Federal Building.

W. A. Graham, Henderson, N. C., instead of Jefferson, N. C.

Dr. W. O. Trone, P. O. box 93, Dayton, Ohio, instead of P. O. box 979.

**Meat Inspection Extended**

\*153. Swift & Co., and The G. H. Hammond Co., 615 South Chambers Street, to include Swift & Co., and The G. H. Hammond Co., Leech and Prospect Streets, Sioux City, Iowa.

183. Foell Supply Co., 331 West Twenty-second Place, to include the premises at 3117-3123 West Forty-seventh Street, Chicago, Ill.

**Change in Name of Official Establishment**

\*287. Rosslyn Ice & Packing Co., and Rosslyn Packing Co., Rosslyn, Va., instead of Rosslyn Packing Co.

923. Richmond Provision Co. (Inc.), and Patrick-Young Co. (Inc.), W. S. Forbes Co. (Inc.), Southern Packing & Provision Co., E. M. Todd Co., Tenth and Byrd Streets, Richmond, Va., instead of Patrick-Young Co., and Boyd Packing Co., Southern Packing & Provision Co., E. M. Todd Co.

**Change in Address of Official Establishment**

419-E. The Great Atlantic & Pacific Tea Co., 1900 West Clay Street, Richmond, Va., instead of Eleventh and Canal Streets.

**Change in Name and Address of Official Establishment**

219. V. Kordalewski (Inc.), 5 Orchard Avenue, Manton, R. I., instead of V. Kordalewski, Johnston, R. I.

**Note**

Mail for Establishment 3-CC, Swift & Co., Los Angeles, Calif., should be addressed to "916 East First Street."

**NOTICES REGARDING MEAT INSPECTION****SAUSAGE FOR CANADA**

Shipments of Vienna style sausage presented for entry into Canada were recently rejected on account of artificial coloring in violation of the Canadian regulations. Attention is directed to the necessity for strict compliance with paragraph 7, section 3, Regulation 24 of B. A. I. Order 211 (Revised).

\* Conducts slaughtering.



### DISTRIBUTION OF LABELS BEARING THE INSPECTION LEGEND

Referring to item in Service and Regulatory Announcements of July, 1922, under the caption "Dummy packages or empty containers for display," and item in Service and Regulatory Announcements of January, 1923, under the caption "Relabeling products," establishments are permitted to forward labels, wrappers, and cartons bearing the inspection legend but not the establishment number, to branch establishments operating under Federal inspection, without first referring the matter to the Washington office, provided such shipments are made under the authority and supervision of the inspector in charge who will notify the inspector in charge at destination concerning the date of shipment and the character and quantity of materials involved. No such material may be used at the establishment to which it is shipped unless approved for such establishment by the Washington office. It should be observed that this ruling does not authorize the shipment of labels or containers bearing the establishment number.

### MEANS FOR REMOVING HAIR AND SCURF FROM HOG CARCASSES

Dr. Robert B. Leeper, veterinary inspector, Denver, Colo., has been granted letters patent for his meritorious invention of mechanical equipment for the removal of hair and scurf from hog carcasses. The invention consists of short lengths of spring-steel cable attached to rubber fabric or belting in lieu of the steel blades customarily used. Dr. Leeper has assigned all his rights to the citizens of the United States of America in order that the equipment may be made, used, or vended by any one without payment of royalty or incurring other indebtedness to the patentee.

Reports indicate that satisfactory results have been obtained from the use of this equipment.

### USE OF THE TERM "BOCKWURST"

The term "Bockwurst" may be applied to sausage in addition to other markings required under the regulations. It may be applied also to products in animal casings other than sausage, but when so used it should be followed by the statement, "Composed of," and the names of the ingredients arranged in the order of their percentages. This ruling supersedes previous rulings with reference to the term "Bockwurst."

### HOG CARCASSES CONDEMNED ABROAD ON ACCOUNT OF SKIN LESIONS

The bureau's representative in London, England, recently reported the receipt of hog carcasses from the United States showing skin lesions, on account of which the carcasses were condemned. On examination in Washington the lesions were found to be typical of those caused by lice, especially the *Hematopinus suis*, which is capable of producing very marked pruritus. In the interest of the export commerce of this country such carcasses should not be exported.

### CERTIFICATES REQUIRED FOR CANNED MEATS EXPORTED TO COLOMBIA, SOUTH AMERICA

Information has been received to the effect that the Colombian Government requires export certificates for all canned meats shipped from the United States to Colombia, South America, and that such certificates must be presented with shipping documents at Colombian consular offices in the United States.

Inspectors in charge of meat inspection and exporters should be governed accordingly.

### APPROVAL OF STENCILS, BOX DIES, AND BRANDS

Referring to the provisions of Regulation 17, section 2, paragraph 3, B. A. I. Order 211 (Revised), stencils, box dies, and brands bearing any of the names or words, individually or collectively, in the following list are hereby approved for use at all establishments operating under Federal inspection, in connection with products to which they may be applicable. If names or features other than those included in the list are incorporated in such stencils, box dies, or brands, specific approval of such markings will be required. However, stencils, box dies, or brands included in the list may be used without further approval in combination with other approved markings, including stencils, box dies, or brands, provided such combinations are applicable to the products, are not inconsistent, and do not result in false or deceptive labeling.

In accordance with paragraph 6 of notice contained in Service and Regulatory Announcements of October, 1923, page 87, pertaining to such subject, a list of all

materials, the approval of which is unnecessary in view of this blanket approval, should be submitted to the Washington office in order that the unnecessary approvals may be rescinded and the files reduced by the removal of such materials.

## List of Stencils, Box Dies, and Brands

<b>A</b> Alexandria Style. American Cut (or A. C.). Artificially Colored. <sup>1</sup> Assorted.	Country Style. Cow Cracklings. Crown. Cubes. Cumberland Cut. Cure(d). Cutlet(s). Cuttings.	Holstein(er) Style (or Brand). Honey Comb (or H. C.). Hotel. Hungarian Style (or Brand).
<b>B</b> Back(s). Bacon. Bag(s). Baker's. Barreled. B. C. (beef casings). Bean(s). Beef. Beef Extract. Belly(ies). Berlin(er) Style. Blade. Blood. Blood Pudding (sausage <sup>2</sup> ). Boiled. Boiling. Bologna Style (sausage <sup>2</sup> ). Bone(s). Boned. Boneless. Boston Style (or Cut). Bouillon. Bracelets. Brains. Braunschweiger Style (sausage <sup>2</sup> ). Brine. Brisket(s). Brunswick Style. Bulk. Bull. Burlap. Butcher(s). Buttocks. Butts.	<b>D</b> d'Arles Style. Delicatessen. Detroit Style (or Brand). Deviled Meat By-products. Devonshire Style (or Brand). Dixie Style (Cut or Brand). Drained. Dried. Dry. Dry Salt (or D. S.). Dublin Style (Cut or Brand).	<b>I</b> In. India Mess Beef. Insides. Italian Style (or Brand).
<b>C</b> Cala(s). Calf. Cambridge Style. Cans. Capicola (pork butts in casings <sup>2</sup> ). Caps. Carcass(es). Carton(s). Case(s). Caul. Cellar. Cereal Added. <sup>1</sup> Cervelat. Checks. Chicago Style (or Brand). Chile Con Carne. Chip(ped). Chitterlings. Choice. Chops. Chorizos (sausage <sup>2</sup> ). Chuck (s). Clean(ed). Clear(s). Clod(s). Club Brand (or Style). Cod Fat. Colonial Style. Columbia Style (or Brand). Compressed. Coney Island Style. Continental Style (or Brand). Cooked. Coppa (pork butts in casings <sup>2</sup> ). Corned. Cottage Style (or Brand).	<b>E</b> Ears. Edible. Ends. English Cut (or Style). Export. Extra(s). Extract of Beef.	<b>J</b> Jamon (ham <sup>2</sup> ). Jellied. Jelly. Joints. Jowl(s).
<b>C</b> Cala(s). Calf. Cambridge Style. Cans. Capicola (pork butts in casings <sup>2</sup> ). Caps. Carcass(es). Carton(s). Case(s). Caul. Cellar. Cereal Added. <sup>1</sup> Cervelat. Checks. Chicago Style (or Brand). Chile Con Carne. Chip(ped). Chitterlings. Choice. Chops. Chorizos (sausage <sup>2</sup> ). Chuck (s). Clean(ed). Clear(s). Clod(s). Club Brand (or Style). Cod Fat. Colonial Style. Columbia Style (or Brand). Compressed. Coney Island Style. Continental Style (or Brand). Cooked. Coppa (pork butts in casings <sup>2</sup> ). Corned. Cottage Style (or Brand).	<b>F</b> Facings. Family Style. Fancy. Farm(er) Style. Fat—Fatted. Feet. Fillet(s). Filzet (sausage <sup>2</sup> ). Flat(s). Flank(s). For Great Britain. Fore. Forequarter(s). Frankfurter Style (sausage <sup>2</sup> ). Fresh. Fries (testicles <sup>2</sup> ). Frizzes (summer sausage <sup>2</sup> ). Frozen. Full.	<b>K</b> Kettle Dried. Kettle Rendered. Kidney(s). Killing. Knoblauch (or Style). Knobs. Knuckles. Kolbasse (sausage <sup>2</sup> ). Kosher(ed).
<b>C</b> Cala(s). Calf. Cambridge Style. Cans. Capicola (pork butts in casings <sup>2</sup> ). Caps. Carcass(es). Carton(s). Case(s). Caul. Cellar. Cereal Added. <sup>1</sup> Cervelat. Checks. Chicago Style (or Brand). Chile Con Carne. Chip(ped). Chitterlings. Choice. Chops. Chorizos (sausage <sup>2</sup> ). Chuck (s). Clean(ed). Clear(s). Clod(s). Club Brand (or Style). Cod Fat. Colonial Style. Columbia Style (or Brand). Compressed. Coney Island Style. Continental Style (or Brand). Cooked. Coppa (pork butts in casings <sup>2</sup> ). Corned. Cottage Style (or Brand).	<b>G</b> Garlic. Genoa Style (or Brand). German Style (or Brand). Goat. Goteborg Style (or Brand). Gothaer Style (or Brand). Green.	<b>L</b> Lachschinken (loin roll <sup>2</sup> ) Lacquered. Lamb. Lard. Leaf. Lean. Legs. Leona Style. Light(s). Link. Lips. Liver. Liver Pudding (sausage <sup>2</sup> ). Loaf. Loin(s). Long. Long Cut (or L. C.). Loose. Luncheon. Lyon (summer sausage <sup>2</sup> ).
<b>C</b> Cala(s). Calf. Cambridge Style. Cans. Capicola (pork butts in casings <sup>2</sup> ). Caps. Carcass(es). Carton(s). Case(s). Caul. Cellar. Cereal Added. <sup>1</sup> Cervelat. Checks. Chicago Style (or Brand). Chile Con Carne. Chip(ped). Chitterlings. Choice. Chops. Chorizos (sausage <sup>2</sup> ). Chuck (s). Clean(ed). Clear(s). Clod(s). Club Brand (or Style). Cod Fat. Colonial Style. Columbia Style (or Brand). Compressed. Coney Island Style. Continental Style (or Brand). Cooked. Coppa (pork butts in casings <sup>2</sup> ). Corned. Cottage Style (or Brand).	<b>H</b> Half. Ham(s). Hamburger Style (or Brand). Hamburger Steak. Hanging. Hash. H. C. (hog casings). Head(s). Head Cheese. Heart(s). Heavy. Hind(s). Hock(s). Hog. Hog maws. Hog stomachs.	<b>M</b> Machine. Manchester Style (or Brand). Manhattan Style (or Brand). Manteca (lard <sup>2</sup> ). Manteca pura (lard <sup>2</sup> ). Manteca pura de chicharron (lard <sup>2</sup> ). Marrow. Meat(s). Meat By-products. Medium. Melts. Menage (summer sausage <sup>2</sup> ). Mess. Mettwurst. Mexican Style. Middles. Milan (o-ese) Style. Mild. Milwaukce Style (or Brand). Minced. Mortadella (sausage <sup>2</sup> ).
<b>C</b> Cala(s). Calf. Cambridge Style. Cans. Capicola (pork butts in casings <sup>2</sup> ). Caps. Carcass(es). Carton(s). Case(s). Caul. Cellar. Cereal Added. <sup>1</sup> Cervelat. Checks. Chicago Style (or Brand). Chile Con Carne. Chip(ped). Chitterlings. Choice. Chops. Chorizos (sausage <sup>2</sup> ). Chuck (s). Clean(ed). Clear(s). Clod(s). Club Brand (or Style). Cod Fat. Colonial Style. Columbia Style (or Brand). Compressed. Coney Island Style. Continental Style (or Brand). Cooked. Coppa (pork butts in casings <sup>2</sup> ). Corned. Cottage Style (or Brand).	<b>H</b> Half. Ham(s). Hamburger Style (or Brand). Hamburger Steak. Hanging. Hash. H. C. (hog casings). Head(s). Head Cheese. Heart(s). Heavy. Hind(s). Hock(s). Hog. Hog maws. Hog stomachs.	<b>N</b> Narrow. National Style (or Brand). Native.

<sup>1</sup> Not to be used in correcting printed cartons.<sup>2</sup> Product to which name is applicable.

Navel.  
Neck(s).  
Neutral.  
New England Style (or Brand).  
New Orleans Style (or Brand).  
New York Cut (Style or Brand).

## O

Off.  
Oil.  
Oleo.  
Oleomargarine  
On.  
Open kettle.  
Out.  
Outside(s).  
Ox.  
Oxford Style (or Brand).

## P

Packed By (or For).  
Palates.  
Pancreas.  
Pan Souse.  
Paprika.  
Paraffined.  
Parchment.  
Passed for Sterilization.  
Paunch.  
P. C. (pork casings).  
Peck(s).  
Pepperoni (summer sausage <sup>2</sup>).  
Pickle(d).  
Picnic(s).  
Pig Souse.  
Pig's Feet.  
Pig's Knuckles.  
Plain.  
Plate(s).  
Pluck(s).  
Polish Style (or Brand).  
Pork.  
Pork Product 5° 20 days refrigeration.  
Potted Meat By-products.  
Prepared By (or For).  
Pressed.  
Prime.  
Prime Steam.  
Produce of U. S. A.  
Product(s).  
Prosciutti(o) (hams <sup>2</sup>).  
Pure.

## Q

Quality.  
Quarts.

Rack(s).  
Raw.  
Refined.  
Regular.  
Rendered.  
Rib(s).  
Ribbed.  
Ring(s).  
Roast.  
Roll(s).  
Rolled.  
Rough.  
Round(s).  
Ruffe.  
Rump(s).

## R

## S

Saddles.  
Saindoux (lard <sup>2</sup>).  
Salami.  
Salchichas (sausage <sup>2</sup>).  
Salchichon (sausage <sup>2</sup>).  
Salt(ed).  
Sausage.  
Sausage, Water & Cereal.  
S. C. (sheep casings).  
Schweineschmalz (lard <sup>2</sup>).  
Scottish Style (or Brand).  
Scrapple.  
Seedy.  
Selected.  
Sets.  
Shank.  
Sheep.  
Short(s).  
Shoulder(s).  
Side(s).  
Singed.  
Sirloin(s).  
Skin(s).  
Skinned(or Skd.).  
Skirts.  
Slats.  
Sliced.  
Slip.  
Small.  
Smoke(d).  
Snout(s).  
Solid.  
Souise.  
Southern Stylé.  
Spare Ribs.  
Spiced.  
Split.  
Square(s).  
Stag.

Steak(s).  
Stearine.  
Steer.  
Stew.  
Stock.  
Stomach(s).  
Strip.  
Suet.  
Sugar Cured (or S. C.).  
Sulze.  
Summer Sausage.  
Swedish Style.  
Sweetbreads (not applicable, without qualification, to hog pancreas).  
Sweet Pickle(d) (or S. P.).

## T

Tail(s).  
Tallow.  
Tender(s).  
Thick.  
Thin.  
This Side Up.  
Thuringer Style (or Brand).  
Thymus Gland(s).  
Tips.  
Tongue(s).  
Trimming(s).  
Tripe (not applicable to hog stomach).

## U

Udder(s).  
Unbranded.  
Uncanvassed.  
Unsalted.  
Untrimmed.  
Unwrapped.  
Use no hooks.

## V

Veal.  
Vienna Style (sausage <sup>2</sup>).  
Vinegar(ed).  
Virginia Style (or Brand).

## W

Weasand(s).  
Western Style (or Brand).  
Westphalia Stylé (or Brand).  
Whole.  
Wide.  
Wiltshire Cut (Style or Brand).  
Winchester Style (or Brand).  
With.  
Without.  
Wrapped.

## ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, FEBRUARY, 1924

Station	Cattle	Calves	Sheep	Goats	Swine
Baltimore.....	7, 816	1, 555	2, 592	2	112, 121
Brooklyn.....	5, 942	5, 826	23, 070	1	-----
Buffalo.....	7, 049	3, 566	8, 597	-----	108, 575
Chicago.....	152, 623	51, 108	187, 278	-----	748, 286
Cincinnati.....	10, 338	6, 807	2, 602	7	76, 695
Cleveland.....	8, 161	6, 426	8, 594	-----	116, 768
Detroit.....	5, 268	6, 670	10, 444	-----	137, 076
Fort Worth.....	22, 946	17, 120	4, 620	169	44, 233
Indianapolis.....	16, 351	4, 800	2, 997	1	179, 904
Jersey City.....	4, 769	8, 295	28, 340	-----	78, 096
Kansas City.....	75, 793	22, 336	91, 127	2	302, 244
Milwaukee.....	9, 229	44, 420	3, 032	-----	107, 675
National Stock Yards.....	22, 927	5, 381	12, 276	-----	183, 450
New York.....	29, 511	37, 306	120, 821	311	116, 365
Omaha.....	75, 931	5, 987	152, 823	9	320, 123
Philadelphia.....	8, 453	5, 908	15, 991	-----	110, 329
St. Louis.....	12, 262	2, 342	3, 332	-----	168, 166
Sioux City.....	26, 568	2, 158	19, 549	-----	180, 702

<sup>2</sup> Product to which name is applicable.



# ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, FEBRUARY, 1924—Continued

Station	Cattle	Calves	Sheep	Goats	Swine
South St. Joseph.....	26,626	4,916	85,696	-----	142,065
South St. Paul.....	28,392	43,581	16,488	-----	289,970
All other establishments.....	112,096	59,085	111,719	338	1,483,442
Total: February, 1924.....	669,051	345,593	911,988	840	5,006,290
February, 1923.....	633,710	296,698	836,473	996	4,230,575
8 months ended Feb., 1924.....	6,391,393	2,947,697	7,842,163	20,649	37,241,744
8 months ended Feb., 1923.....	6,155,722	2,714,782	7,579,917	18,947	30,955,177

Horses slaughtered at all establishments, February, 1924, 472. Inspections of lard prepared at all establishments 198,670,170 pounds; compound and other substitutes, 27,435,469 pounds. Corresponding inspections for February, 1923: Lard, 174,601,548 pounds; compound and other substitutes, 24,084,934 pounds. (These totals do not represent actual production, as the same lard or compound may have been inspected and recorded more than once in the process of manufacture.)

## Carcasses Condemned During January, 1924

Cause	Cattle	Calves	Sheep	Swine
Emaciation.....	774	319	126	129
Hog cholera.....	-----	-----	-----	5,211
Inflammatory diseases.....	744	271	614	4,031
Immaturity.....	-----	614	-----	-----
Tuberculosis.....	5,042	43	2	8,439
All other causes.....	1,167	222	602	5,256
Total.....	7,727	1,469	1,344	23,066

## IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during February, 1924, with figures for other periods for comparison.

### Imports of food animals

Country of export	Cattle	Swine	Sheep	Goats
Mexico.....	1,404	1	1,026	1,604
Canada.....	4,919	12	29	-----
Great Britain.....	100	-----	-----	-----
Total:				
February, 1924.....	6,423	13	1,055	1,604
February, 1923.....	10,109	173	458	-----
8 months ended February, 1924.....	137,944	836	37,847	2,107
8 months ended February, 1923.....	242,990	2,804	64,884	7,095

### Imports of meats and meat food products


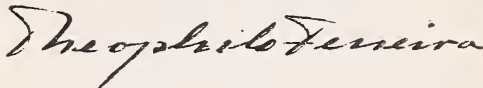
Country of export	Fresh and refrigerated		Canned and cured	Other products	Total weight
	Beef	Other			
	Pounds	Pounds	Pounds	Pounds	Pounds
Argentina.....	73,939	1,770	122,320	129,067	327,096
Canada.....	462,815	161,056	28,935	314	653,120
Uruguay.....	39,000	-----	2,900	-----	41,900
Other countries.....	-----	900	19,204	8,978	29,082
Total:					
February, 1924.....	575,754	163,726	173,359	138,359	1,051,198
February, 1923.....	292,249	281,177	613,807	176,211	1,363,444
8 months ended February, 1924.....	11,827,612	3,163,606	6,219,759	762,377	21,973,354
8 months ended February, 1923.....	23,550,342	8,661,425	5,185,290	755,723	38,152,780

Condemed in February, 1924: Pork, 60 pounds.

Refused entry: Pork, 1,695 pounds.

# FOREIGN OFFICIALS AUTHORIZED TO SIGN INSPECTION CERTIFICATES FOR MEAT AND PRODUCTS FOR IMPORTATION INTO THE UNITED STATES

The following are additional names, addresses, and facsimile signatures of foreign national Government officials authorized to sign and issue certificates of inspection for meat and meat food products offered for importation into the United States:

Country and name	Signature
BRAZIL	
Tancredo L. Barros-----	
Theophilo Ferreira -----	

## SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH THE VARIOUS STATES, FEBRUARY, 1924

State	Tuberculin tests during month			Total to date			Inspector in charge	State official
	Herds or lots	Cattle tested	Cattle re-acted	Once-tested free herds	Ac-credited herds	Herds under super-vision		
Ala.....	40	1,957	7	1,227	162	1,847	R. E. Jackson...	C. A. Cary, Auburn.
Ariz.....	101	1,774	178	1,618	2	1,991	F. L. Schneider..	S. E. Douglas, Phoenix.
Ark.....	63	1,109	3	620	45	715	L. E. Lyons.....	J. H. Bux, Little Rock.
Calif.....	13	1,268	53	2,004	25	2,174	R. Snyder.....	J. P. Iverson, Sacramento.
Colo.....	284	1,548	30	1,010	16	1,189	W. E. Howe.....	C. G. Lamb, Denver.
Conn.....	113	2,279	181	1,242	380	1,629	R. L. Smith.....	J. M. Whittlesey, Hartford.
Del.....	140	1,423	204	1,259	700	2,521	W. G. Middleton	O. A. Newton, Bridgeville.
D. C.....	1	204	0	270	10	288	J. A. Kiernan....	
Fla.....	116	3,159	26	4,696	259	5,638	J. G. Fish.....	J. V. Knapp, Tallahassee.
Ga.....	140	2,346	50	3,142	42	3,840	A. L. Hirtleman..	P. F. Bahnsen, Atlanta.
Idaho.....	540	16,385	25	12,187	110	14,034	W. A. Sullivan..	W. R. Smith, Boise.
Ill.....	3,067	27,452	1,165	1,425	570	29,615	J. J. Lintner....	F. A. Laird, Springfield.
Ind.....	1,738	17,202	242	22,337	4,705	27,849	J. E. Gibson.....	R. C. Julien, Indianapolis.
Iowa.....	2,701	47,120	1,431	12,861	3,260	25,263	J. A. Barger.....	R. W. Cassady, Des Moines.
Kans.....	483	7,575	27	2,741	860	3,747	N. L. Townsend	J. H. Mercer, Topeka.
Ky.....	760	5,387	63	19,906	263	23,386	W. F. Biles.....	W. H. Simmons, Frankfort.
La.....	156	2,416	69	1,479	110	2,007	A. F. Staub.....	E. P. Flower, Baton Rouge.
Me.....	303	3,264	77	15,744	1,399	18,376	J. B. Reidy.....	H. M. Tucker, Augusta.
Md.....	311	5,482	628	1,677	989	5,603	T. A. Ladson....	James B. George, Baltimore.
Mass.....	88	2,303	485	399	119	875	E. A. Crossman..	L. H. Howard, Boston.
Mich.....	2,866	24,689	421	39,704	332	46,817	T. S. Rich.....	H. W. Norton, Jr., Lansing.
Minn.....	520	13,395	319	6,481	3,467	11,964	W. J. Fretz.....	C. E. Cotton, St. Paul.
Miss.....	207	1,557	1	444	136	730	H. L. Fry.....	H. Chadwick, Jackson.
Mo.....	732	7,741	40	42,660	677	44,298	Ralph Graham..	H. A. Wilson, Jefferson City.
Mont.....	225	4,435	53	15,880	142	16,682	J. W. Murdock..	W. J. Butler, Helena.
Nebr.....	2,066	27,398	468	3,360	329	3,864	C. H. Hays.....	L. R. Cantwell, Lincoln.
Nev.....	155	2,869	25	1,731	15	1,736	P. E. Murray....	Edward Records, Reno.
N. H.....	192	2,139	77	1,866	450	2,698	E. A. Crossman..	A. L. Felker, Concord.
N. J.....	189	3,054	115	496	225	1,034	W. G. Middleton	J. H. McNeill, Trenton.
N. Mex.....	20	1,891	0	1,750	3	1,957	F. L. Schneider..	Mat Keenan, Albuquerque.
N. Y.....	1,358	26,897	1,706	20,226	3,045	23,799	H. B. Leonard..	H. J. Henry, Albany.
N. C.....	3,638	9,153	35	85,153	51	93,631	A. J. De Fosset..	Wm. Moore, Raleigh.
N. Dak.....	1,500	27,560	356	9,784	1,984	13,658	H. H. Cohenour..	W. F. Crewe, Bismarck.
Ohio.....	1,541	13,584	732	10,851	1,326	13,958	Paul Vaughn....	F. A. Zimmer, Columbus.
Okla.....	67	2,797	13	233	373	701	L. J. Allen.....	J. A. Whitehurst, Oklahoma.
Oreg.....	1,276	11,497	161	19,589	364	19,953	S. B. Foster.....	W. H. Lytle, Salem.
Penn.....	718	9,842	396	14,346	2,371	18,898	P. E. Quinn.....	T. E. Munce, Harrisburg.
R. I.....	16	410	2	28	22	54	E. A. Crossman..	T. E. Robinson, Providence.
S. C.....	120	1,483	5	710	151	3,870	W. K. Lewis.....	W. K. Lewis, Columbia.
S. Dak.....	44	1,375	38	338	312	721	J. O. Wilson....	A. E. Beaumont, Pierre.

# SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH THE VARIOUS STATES, FEBRUARY, 1924—Continued.

State	Tuberculin tests during month			Total to date			Inspector in charge	State official
	Herds or lots	Cattle tested	Cattle re-acted	Once-tested free herds	Accredited herds	Herds under supervision		
Tenn.....	154	2, 947	8	139	351	12, 686	E. I. Smith.....	W. B. Lincoln, Nashville.
Tex.....	73	3, 192	0	205	160	498	H. Grafke.....	L. G. Cloud, Fort Worth.
Utah.....	1, 440	5, 629	134	8, 239	100	9, 116	F. E. Murray.....	A. J. Webb, Salt Lake City.
Vt.....	264	6, 986	523	1, 005	2, 459	5, 420	L. H. Adams.....	E. S. Brigham, Montpelier.
Va.....	399	4, 159	41	832	1, 159	2, 238	R. E. Brookbank	J. G. Ferneyhough, Richmond.
Wash.....	983	12, 489	177	21, 180	143	22, 375	J. C. Exline.....	L. C. Pelton, Olympia.
W. Va.....	248	3, 469	22	4, 312	454	3, 992	George W. Neff.	J. H. Stewart, Charleston.
Wis.....	3, 127	60, 089	1, 304	30, 924	4, 431	38, 103	J. S. Healy.....	John D. Jones, Madison.
Wyo.....	57	691	4	4, 523	9	5, 120	John T. Dallas..	A. W. French, Cheyenne.
Total..	35, 373	445, 070	12, 120	454, 858	39, 067	593, 158		

# MONTHLY SUMMARY OF HOG-CHOLERA-CONTROL WORK, FEBRUARY, 1924

State	Public meetings attended	Interviews	Farm visits	Autopsies	Premises quarantined	Out-breaks reported	Herds treated
Alabama.....	9	442	113	7	-----	18	23
Arkansas.....	1	179	47	3	-----	3	7
California.....	-----	4	4	4	1	-----	-----
Colorado.....	-----	9	2	3	-----	2	-----
Delaware.....	10	36	18	4	-----	3	-----
Florida.....	-----	399	106	16	-----	51	23
Georgia.....	-----	244	155	7	-----	18	26
Idaho.....	1	195	63	5	2	5	9
Illinois.....	10	487	104	13	4	11	-----
Indiana.....	11	267	90	20	3	5	-----
Iowa.....	-----	163	47	6	-----	12	2
Kansas.....	1	187	29	6	-----	15	2
Kentucky.....	6	409	177	20	-----	13	5
Louisiana.....	-----	41	4	2	-----	3	2
Maryland.....	1	621	109	15	14	31	1
Michigan.....	34	339	35	14	-----	2	1
Mississippi.....	-----	272	121	4	-----	42	38
Missouri.....	5	133	106	5	-----	15	-----
Montana.....	-----	13	15	3	7	10	-----
Nebraska.....	28	119	42	11	-----	-----	-----
North Carolina.....	3	157	79	6	-----	11	15
North Dakota.....	17	273	22	5	6	6	-----
Ohio.....	14	364	83	3	-----	3	-----
Oklahoma.....	3	617	119	20	9	12	7
South Carolina.....	-----	212	42	2	-----	2	40
South Dakota.....	1	177	16	9	-----	3	-----
Tennessee.....	-----	286	31	9	4	23	5
Texas.....	3	704	16	-----	-----	4	-----
Utah.....	1	70	5	2	-----	-----	-----
Virginia.....	-----	55	26	8	-----	10	1
Washington.....	-----	25	6	1	1	5	-----
Wisconsin.....	3	167	42	13	5	5	4
Total.....	162	7, 666	1, 874	246	56	344	211



## LICENSES FOR VETERINARY BIOLOGICAL PRODUCTS, MARCH, 1924

## LICENSES ISSUED

License No.	Date	Name and address of firm	Products
6 (part 1)	1924 Mar. 4	Pitman-Moore Co., near Zionsville, Ind.	Anticalf-scour serum; anti-distemper serum (equine); antihemorrhagic-septicemia serum; anti-hog-cholera serum; anti-influenza serum (equine); antimixed-infection serum (for swine); antistreptococcic serum (equine); autogenous bacterin; calf-scour mixed bacterin; canine antidiemper serum; canine distemper mixed bacterin (for horses); equine influenza mixed bacterin; fowl cholera bacterin.
6 (part 1)	Mar. 7 Mar. 22	do. do.	Navel-ill mixed bacterin (equine). Abortion vaccine (bovine); antiabortion serum (bovine); antiblackleg serum; anti-calf-scour serum; antihemorrhagic septicemia serum; anti-hog-cholera serum; anti-influenza serum (equine); anti-mixed infection serum (for swine); autogenous bacterin; blackleg filtrate; calf-scour mixed bacterin; canine anti-distemper serum; canine-distemper mixed bacterin; chicken pox vaccine; distemper mixed bacterin (for horses); equine influenza mixed bacterin; fowl-cholera bacterin; hemorrhagic-septicemia bacterin; hemorrhagic-septicemia vaccine (for cattle); hemorrhagic-septicemia vaccine (for sheep); hemorrhagic-septicemia vaccine (for swine).
6 (part 2)	do	do	Hog-cholera virus; mastitis mixed bacterin (for cattle); metritis mixed bacterin (for cattle); mixed bacterin (for fowl); mixed bacterin (for rabbits); mixed bacterin (for swine); navel-ill mixed bacterin (equine); normal horse serum; rabies vaccine; strep-staph-coli bacterin (for cattle); strep-staph-coli bacterin (for horses); tetanus antitoxin; tuberculin.
9	do	Lederle Antitoxin Laboratories, Middletown Road, near Pearl River, N. Y.	Anti-streptococcic serum (equine).
21	Mar. 19	Continental Serum Laboratories Co., Isett Avenue, Muscatine, Iowa.	Abortion bacterin (bovine); anti-hog-cholera serum; anti-influenza mixed bacterin (equine); autogenic bacterin; blackleg aggrassin; blackleg filtrate; blackleg vaccine; canine distemper bacterin (mixed); colon bacterin (bovine); hemorrhagic-septicemia bacterin (for cattle); hemorrhagic-septicemia bacterin (for chickens); hemorrhagic-septicemia bacterin (for horses); hemorrhagic-septicemia bacterin (for sheep); hemorrhagic-septicemia bacterin (for swine); hog-cholera virus; mastitis mixed bacterin (bovine); mixed-infection bacterin (bovine); mixed-infection bacterin (swine); navel-ill mixed bacterin (equine); polyvalent mixed bacterin (equine).

## UNITED STATES VETERINARY PERMITS ISSUED

United States veterinary permit No. 6, dated March 20, 1924, was issued to Mr. A. Charklian, 500 Fifth Avenue, New York City, for the following product: Vaccine virus (anthrax or charbon) manufactured by Laboratoire des Vaccins Pasteur pour l'Etranger, Paris, France.

United States veterinary permit No. 6, dated March 24, 1924, was issued to Mr. A. Charklian, 500 Fifth Avenue, New York City, for the following products: Blackleg vaccine; serum, charbon symptomatique; serum, polyvalent; manufactured by Institut de Sérothérapie, Toulouse, France.

## LICENSES TERMINATED

United States veterinary license No. 6 (part 1), dated January 1, 1921, issued to the Pitman-Moore Co., Zionsville, Ind., was terminated March 5, 1924, on account of changes in names of products.

United States veterinary licenses No. 6, dated January 1, 1921 (part 2); April 26, 1921; December 22, 1921; February 21, 1922; June 1, 1922; April 19, 1923; March 4, 1924 (part 1); March 7, 1924, were terminated March 22, 1924, on account of changes in names of products. United States veterinary license No. 6 was then issued to the Pitman-Moore Co. as indicated above.

U. S. veterinary license No. 21, dated October 6, 1923, issued to the Continental Serum Laboratories Co., Isett Avenue, Muscatine, Iowa, was terminated

March 19, 1924, on account of changes made in products produced. United States veterinary license No. 21 was then issued to the Continental Serum Laboratories Co. as indicated above.

United States veterinary license No. 39-A, dated March 14, 1922, issued to the Purity Biological Laboratories, Chambers and Chicago Streets, Sioux City, Iowa, was terminated March 12, 1924, without prejudice.

United States veterinary licenses No. 176, dated June 20, 1923, and August 6, 1923, issued to the Merit Laboratories, 1411 Orville Avenue, Kansas City, Kans., were terminated March 12, 1924, without prejudice.

#### ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER UNITED STATES VETERINARY LICENSE IN FEBRUARY, 1924

Serum			Virus	
Ordinary	Clear	Total	Simultaneous	Hyperimmunizing
C. c. 62, 737, 599	C. c. 11, 575, 926	C. c. 74, 313, 525	C. c. 1, 335, 837	C. c. 17, 958, 844

#### TEXAS-FEVER QUARANTINE—PLACES TO WHICH SOUTHERN CATTLE MAY BE SHIPPED FOR IMMEDIATE SLAUGHTER

The following change has been in the list of places to which southern cattle may be shipped for immediate slaughter under State and Federal permission. (See circular letter No. 1230, dated January 3, 1924.)

*Permission withdrawn*

KANSAS: *Frontenac*.—Menghini Bros. Packing Co.

#### PERMITTED DISINFECTANT

In accordance with the provisions contained in the regulations of this department governing the interstate movement of livestock (B. A. I. Order 273, revised), the bureau has granted permission to The Blue Cross Veterinary Supply Co. of Superior, Nebr., for the distribution and use of "Cooper's Saponified Cresol Solution" under the name of "Blue Cross Saponified Cresol," in the general disinfection of cars, yards, and other premises. "Blue Cross Saponified Cresol" is identical with "Cooper's Saponified Cresol Solution," manufactured by Wm. Cooper & Nephews of Chicago, Ill.

#### PERMITTED DIP FOR CATTLE FOR TICKS

The bureau has granted permission for the use of "Western White Face Brand Arsenical Cattle Dip," manufactured by Western Agricultural Chemical Co., P. O. box 83, Houston, Tex., in the official dipping of cattle for ticks. The dilution for dipping cattle for interstate movement is 1 gallon of dip to not more than 127 gallons of water. This will yield a solution containing not less than 0.22 per cent actual arsenious oxide.



## AMENDMENT TO THE FISCAL REGULATIONS

### Payment of Domestic Postage

Paragraph 79 of the Fiscal Regulations is hereby amended to read as follows:

Payments of domestic postage will be allowed (a) for registration by the field force of official matter of the department, except as provided in paragraph 38; (b) for special-delivery stamps when immediate delivery of official correspondence is necessary; (c) for stamps on envelopes from which it is necessary to omit the designation of "official mail" in order to avoid defeating the purpose of the communication inclosed therein; and (d) for parcel-post matter (except single books mailed from Washington) weighing in excess of 4 pounds, including parcel-post insurance on the more valuable articles.

### AREA COORDINATORS AND FEDERAL BUSINESS ASSOCIATIONS

The attention of all officers and employees of the bureau, especially of those stationed in the field, is directed to the list of coordinators and Federal business associations, shown below.

All officers and employees of the bureau will cooperate to the fullest extent in connection with these agencies and will avail themselves of the services which they are prepared to render.

#### LIST OF CITIES IN WHICH FEDERAL BUSINESS ASSOCIATIONS ARE LOCATED

##### FIRST AREA

Area coordinator, Commander A. S. Wadsworth, U. S. N.  
Address, Q. M. Intermediate Depot, Army Base, Boston 9, Mass.  
Federal Business Association, Boston, Mass.

##### SECOND AREA

Area coordinator, Capt. William S. Miller, U. S. N.  
Address, 728 Customhouse, New York City, N. Y.  
Federal Business Associations:

Buffalo, N. Y.

New York City, N. Y.

##### THIRD AREA

Area coordinator, Commander H. D. Lamar, U. S. N.  
Address, Customhouse, Philadelphia, Pa.  
Federal Business Associations:

Baltimore, Md.

Norfolk, Va.

Scranton, Pa.

Erie, Pa.

Philadelphia, Pa.

Harrisburg, Pa.

Richmond, Va.

##### FOURTH AREA

Area coordinator, Lieut. Col. Talbot Smith, U. S. A.  
Address, 362 Post Office Building, New Orleans, La.  
Federal Business Associations:

Atlanta, Ga.

Memphis, Tenn.

New Orleans, La.

Jacksonville, Fla.

## FIFTH, SIXTH, AND SEVENTH AREAS

Area coordinator, Lieut. Col. E. R. Tompkins, U. S. A.

Address, 629 Federal Building, Chicago, Ill.

Federal Business Associations:

Akron, Ohio.	Grand Forks, N. Dak.	Omaha, Nebr.
Cedar Rapids, Iowa.	Grand Rapids, Mich.	Peoria, Ill.
Charleston, W. Va.	Green Bay, Wis.	Rockford, Ill.
Chicago, Ill.	Huntington, W. Va.	Rock Island, Moline, Ill., and Davenport, Iowa.
Cincinnati, Ohio.	Indianapolis, Ind.	St. Joseph, Mo.
Cleveland, Ohio.	Kalamazoo, Mich.	St. Louis, Mo.
Columbus, Ohio.	Kenosha, Wis.	St. Paul, Minn. <sup>1</sup>
Council Bluffs, Iowa.	Kokomo, Ind.	Sault Ste Marie, Mich.
Covington, Ky.	La Crosse, Wis.	Sioux City, Iowa.
Danville, Ill.	Lansing, Mich.	South Bend, Ind.
Dayton, Ohio.	Lexington, Ky.	Terre Haute, Ind.
Detroit, Mich.	Lima, Ohio.	Toledo, Ohio.
Duluth, Minn.	Lincoln, Nebr.	Topeka, Kans.
East St. Louis, Ill.	Louisville, Ky.	Wheeling, W. Va.
Evansville, Ind.	Madison, Wis.	Wichita, Kans.
Fargo, N. Dak.	Milwaukee, Wis.	Youngstown, Ohio.
Fort Dodge, Iowa.	Minneapolis, Minn. <sup>1</sup>	Zanesville, Ohio.
Fort Smith, Ark.	Muskegon, Mich.	
Fort Wayne, Ind.	Newport, Ky.	

## EIGHTH AREA

Area coordinator, Lieut. Col. William A. Austin, U. S. A.

Address, care of Headquarters Eighth Corps Area, Fort Sam Houston, Tex.

Federal Business Associations:

Dallas, Tex.	Denver, Colo.	San Antonio, Tex.
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## NINTH AREA

Area coordinator, Capt. Lloyd S. Shapley, U. S. N.

Address, 433 Customhouse, San Francisco, Calif.

Federal Business Associations:

Eureka, Calif.	Reno, Nev.	San Francisco, Calif.
Fresno, Calif.	Sacramento, Calif.	Seattle, Wash.
Portland, Oreg.	San Diego, Calif.	Spokane, Wash.

## WARNING AGAINST POLITICAL ACTIVITY BY DEPARTMENT EMPLOYEES

Attention is called to the provisions of the notice, signed by the Secretary of Agriculture, on page 110 of Service and Regulatory Announcements for September, 1922. Under these provisions no employee of the Government will be permitted—

1. To hold a position as a member or officer of any political committee that solicits funds.
2. To display such obtrusive partisanship as to cause public scandal.
3. To attempt to manipulate party primaries or conventions.
4. To use his position to bring about his selection as a delegate to conventions.
5. To act as chairman of a political convention.
6. To assume the active conduct of a political convention.
7. To use his position to interfere with an election or to affect the result thereof.
8. To neglect his public duties.

It is the duty of any person having knowledge of the violation of any of the foregoing provisions of the civil-service rules or Criminal Code to submit the facts to the United States Civil Service Commission, Washington, D. C.

<sup>1</sup> The Federal officials in these two cities are organized under one association called the Twin City Federal Business Associations.

## BUREAU ANNUAL REPORTS AVAILABLE

The bureau has recently come into possession of a reserve supply of its annual reports. This series of reports, in the form of bound volumes containing reports of operations and research, began with the organization of the bureau in 1884 and was discontinued with 1911. Copies will be furnished, so far as the supply permits, to bureau employees and other interested persons who apply for them. Only a few complete sets are available, and the preference as to these and the rarer volumes will be given to scientific and educational institutions and libraries. Persons who have partial sets and wish to complete them are invited to submit a list of the numbers lacking.

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## RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

### Livestock Quarantine Law

James Ford, Johnson, N. Y., interstate shipment without tuberculin test, \$100 fine.

St. Louis-San Francisco Railway Co., failure to mark waybill "Southern cattle," \$100 fine.

### Twenty-Eight-Hour Law

Atchison, Topeka & Santa Fe Railway Co., \$100 fine.

Atlantic Coast Line Railroad Co., \$100 fine.

Baltimore & Ohio Railroad Co., \$100 fine.

Birmingham Belt Railroad Co., \$100 fine.

Chicago & Alton Railroad Co., \$100 fine.

Chicago, Burlington & Quincy Railroad Co. (4 cases), \$400 fines.

Chicago, Milwaukee & St. Paul Railway Co. (6 cases), \$600 fines.

Chicago, Rock Island & Pacific Railway Co. (4 cases), \$400 fines.

Cleveland, Cincinnati, Chicago & St. Louis Railway Co., \$100 fine.

Erie Railroad Co. (2 cases), \$200 fines.

Illinois Central Railroad Co. (4 cases), \$400 fines.

Indiana Harbor Belt Railroad Co., \$100 fine.

Los Angeles & Salt Lake Railroad Co. (2 cases), \$300 fines.

Louisville & Nashville Railroad Co. (2 cases), \$200 fines.

Missouri-Kansas-Texas Railway Co. (12 cases), \$1,200 fines.

Missouri-Kansas-Texas Railway Co. of Texas (13 cases), \$1,300 fines.

Northern Pacific Railway Co. (8 cases), \$800 fines.

St. Louis-San Francisco Railway Co. (4 cases), \$400 fines.

Southern Railway Co. (5 cases), \$300 fines.

Texas & Pacific Railway Co. (3 cases), \$300 fines.

### Meat-Inspection Law

Abe Kurland, Boston, Mass., offering uninspected meat for interstate shipment, \$25 fine.

William Zoller Co., Pittsburgh, Pa., breaking a Government seal, \$50 fine.

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## DEPARTMENT INCREASES VETERINARY FORCE TO SUPPRESS FOOT-AND-MOUTH DISEASE

The following press statement issued by the department March 31 deals with the outbreak of foot-and-mouth disease in California and reports the situation at the end of the month.

Progress in suppressing the outbreak of foot-and-mouth disease among livestock in California shows the effectiveness of the stringent measures used in combating this highly contagious foreign plague. The United States Department of Agriculture announced on March 29 that no new infection had appeared since March 22 in the three counties—Solano, Contra Costa, and Alameda—where the outbreak first occurred. In those counties all infected livestock has been killed and buried.



Efforts to eradicate the infection, which later appeared in Merced, San Joaquin, Los Angeles, and San Francisco Counties, are resulting in satisfactory progress. At the request of G. H. Hecke, director of the State Board of Agriculture of California, who has advised the Federal authorities that the number of State veterinary inspectors is insufficient, the department has increased its corps of men for combating the disease. The Federal force was increased from 77 to 105 men who, on March 29, were either on duty or were en route to the "battle zone."

Among the men who are now proceeding to California is Dr. U. G. Houck, an official of the Bureau of Animal Industry, who will act as a personal representative of Secretary of Agriculture Wallace and of Dr. John R. Mohler, Chief of the Bureau of Animal Industry, in advising with State officials. He will also consult with Dr. Rudolph Snyder, the Federal veterinarian who has charge of the field force.

#### RANGE RIDERS CONTROL MOVEMENT OF HERDS

The Federal inspectors have employed range riders to prevent contact of the healthy range herds in Merced County, which is a ranch region, with herds which are infected or exposed. As a result of this step to prevent healthy cattle from drifting or straying into the infected areas, current reports show but slight additional infection since the disease was first discovered in Merced County. Federal veterinarians say that this situation is gratifying in view of the difficulties of combating foot-and-mouth disease on the open range.

#### STOCKYARDS CLOSED AND DISINFECTED

The Los Angeles stockyards, in which a shipment of cattle from Merced County showed infection among 58 head, have been closed and are being disinfected. Previous shipments of cattle from the yards to country points are being traced, but up to March 29 no infection from this possible source had been reported. One hog found in a San Francisco packing-plant pen on March 24, showing lesions resembling foot-and-mouth disease, was condemned and tanked by Federal inspectors and the pens were closed for disinfection. This animal was one of a shipment originating in Merced County.

The status of the foot-and-mouth disease outbreak on March 29 was, briefly, as follows, according to Dr. John R. Mohler, Chief of the Bureau of Animal Industry:

"Of the 15 counties quarantined because of the disease 7 have contained actual infection. Of these 7 the 3 originally infected counties have shown no new cases of foot-and-mouth disease since March 22. Infection in San Joaquin County thus far has been limited to only one herd of 100 cattle. This is the first appearance in that county, although it has been under quarantine since February 25. The principal infection is now in Merced County, which at the close of March 28 contained 11 herds composed of 5,530 cattle and 73 hogs which are diseased and will need to be slaughtered.

"The State of California has drafted all available veterinarians and the Government is furnishing a sufficient number to conduct the work with all possible efficiency. The cooperative forces are well organized and have ample facilities for digging trenches, disposing of animals, and disinfection. They also have authority for disposing of infected herds with the dispatch which the present urgency requires. It is of the utmost importance for veterinarians who have but a slight knowledge of foot-and-mouth disease to report immediately to Federal and State inspectors any cases that appear to be suspicious.

"The cooperation of livestock owners and the agricultural press has been gratifying and further announcement will be made so that the industry may be fully informed of this important situation."

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#### NEW PUBLICATIONS OF THE BUREAU

[The bureau keeps no mailing list for sending publications to individual employees, but publications are sent in bulk to officers in charge for distribution to members of their forces. The number of copies sent varies with the subject or nature of the publication and the number and class of employees. Officers in charge will use their judgment and distribute publications to best advantage. So far as possible additional copies will be furnished on request.]

Farmers' Bulletin 1067. Feeding Hens for Egg Production. By Alfred R. Lee, Animal Husbandry Division. Pp. 14, figs. 5.

Farmers' Bulletin 1214. Farm Dairy Houses. By Ernest Kelly and K. E. Parks, Dairy Division. Revision. Pp. 15, figs. 9.

Farmers' Bulletin 1357. Castration of Hogs. Supersedes Farmers' Bulletin 780, Castration of Young Pigs. By S. S. Buckley, Animal Husbandry Division. Pp. 8, figs. 9.

Farmers' Bulletin 1373. Homing Pigeons. By Alfred R. Lee, Animal Husbandry Division. Pp. 16, figs. 9.

Farmers' Bulletin 1391. The Guinea Fowl. Supersedes Farmers' Bulletin 858, same title. Revised by Alfred R. Lee, Animal Husbandry Division. Pp. 13, figs. 6.

A Study of the Serology, the Cerebrospinal Fluid, and the Pathological Changes in the Spinal Cord in Dourine. By Harry W. Schoening and Robert J. Formad, Pathological Division. In Journal of Agricultural Research, Vol. XXVI, No. 10. Dec. 8, 1923. A-67. Pp. 407 to 505, inclusive.

Miscellaneous Circular 14. State Sanitary Requirements Governing Admission of Livestock. Supersedes A. I. 36. Pp. 91.

B. A. I. Order 287. To prevent the spread of foot-and-mouth disease in cattle, sheep, other ruminants, and swine, in the counties of Alameda, Contra Costa, and Solano, California. Effective February 23, 1924. Pp. 2.

Amendment 1 to B. A. I. Order 287, quarantining the counties of Marin, Napa, San Mateo, San Joaquin, Santa Clara, and Sonoma, California. Effective February 25, 1924. Pp. 1.

Amendment 2 to B. A. I. Order 287, quarantining the counties of Madera, Mariposa, Merced, and Stanislaus, California. Effective March 24, 1924. P. 1.

Amendment 3 to B. A. I. Order 287, quarantining the counties of Los Angeles and San Francisco, California. Effective March 25, 1924. P. 2.

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## ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

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